$_{\rm i}$ - INTERNATIONAL SEARCH REPORT

International application No.

				PCT/F1 200	5/050107						
A. CLAS	SIFIC	ATION OF SUBJECT MATTER									
IPC7: B230 21/04											
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED											
Minimum documentation searched (classification system followed by classification symbols)											
IPC7: E	IPC7: B23D										
Documentation scarched other than minimum documentation to the extent that such documents are included in the fields searched											
SE,DK,FI,NO classes as above											
Electronic data base consulted during the international search (name of data base and, where practicable, se arch terms used)											
EPO-INTERNAL, WPI DATA, PAJ											
C. DOCUMENTS CONSIDERED TO BE RELEVANT											
Category*	Cita	tion of document, with indication, where ap	ant passages	Relevant to claim No.							
A	US	5243760 A (MYRON R. MAY, JR. (14.09.1993)), 14 Sept 1993		1-4						
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A	GB	572217 A (AKTIENGESELLSCHAFT STAHLWERKE), 27 Sept 1945 (2	1~4								
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A	US	6065212 A (MILISAV LAZAREVIC) (23.05.2000)	1-4								
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A ·	US	4769911 A (MASAHARU ARAKI), 1 (13.09.1988)		1-4							
	1										
Furthe	r doc	urnents are listed in the continuation of Box	C. X See pat	ent family annex	·						
* Special categories of cited documents; "A" document defining the general state of the art		es of cited documents			mational filing date or priority ation but cited to understand						
to be of p "E" earlier ap	e of particular relevance the pr er application, or patent but published on or after the international "y" document			scory underlying the i							
L" document which may throw doubts on priority claim(s) or which is cared to establish the publication date of another citation or other			considered novel or campot be considered to involve an inventive step when the document is taken alone								
.	٠.	ss specified) ing to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is cumbined with one or more other such documents, such combination								
"P" documen	nent published prior to the international filing date but later than forty date claimed being obvious to a person skilled										
Date of the actual completion of the intern		completion of the international search	Date of mailing of the international se		earch report						
4 July	2005		0 5 -07- 2005								
	T I	g address of the ISA/	Authorized officer	•							
Swedish Pater Box 5055, S-10		t Office 2 42 STOCKHOLM	Christer Bäck <i>ı</i>	nert /MD							
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Information on patent family members

28/05/2005

International application No. PCT/FI 2005/050107

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บร	5243760	A	14/09/1993	NONE		~_~~
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US	6065212	A	23/05/2000	NONE	س سه شر رادم سه محد دس سه رای میشد مده و برا رس	
US	4769911	A -	13/09/1988	JP JP	1485574 C 61121813 A 63033963 B	14/03/1989 09/06/1986 07/07/1988

Form PCT/ISA/210 (patent family armex) (April 2005)